

Converting Colors

YIQ(105.4200, 19.0150, 68.4150)

Have a look what the booklet for
YIQ(105.4200, 19.0150, 68.4150)
contains.

YIQ(105.4200, 19.0150, 68.4150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YIQ(105.4200, 19.0150,
68.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	A638C9
RGB	166, 56, 201
RGB Percent	65%, 22%, 79%
CMY	0.3487, 0.7806, 0.2118
CMYK	0.17, 0.72, 0.00, 0.21
HSL	286°, 57%, 50%
HSV	286°, 72%, 79%
XYZ	27.6982, 15.1572, 56.7183
YIQ	105.4200, 19.0150, 68.4150

Conversions

Conversions Part 2

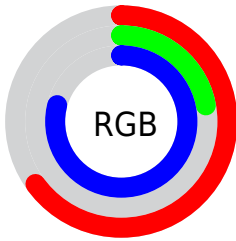
Format	Color
R _Y B	166, 56, 201
Decimal	10893513
CIE Lab	45.85, 64.90, -54.29
CIE LCh	46, 84.614, 320.090
Yxy	15.1572, 0.2782, 0.1522
Android (android.graphics.Color)	4289083593 (0xFFA638C9)
YUV	105.4200, 47.1209, 53.1287
Hunter-Lab	38.9323, 58.8616, -59.1239

Details

The YIQ color $105.4200, 19.0150, 68.4150$ is a dark color, and the websafe version is hex $9933CC$. The color can be described as middle muted purple. A complement of this color would be $151.5800, -19.0150, -68.4150$, and the grayscale version is $105.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $162.3770, 20.5740, 67.6940$, and $49.2350, 18.0980, 68.5140$ is the 20% darker color. If you saturate the color by 10%, you get $92.1850, 21.5350, 77.8150$, and if you desaturate by 10%, it is $118.6550, 16.4950, 59.0150$.

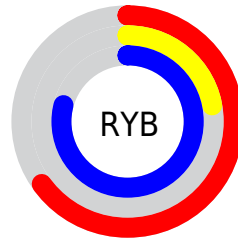
Distribution



Red (65%)

Green (22%)

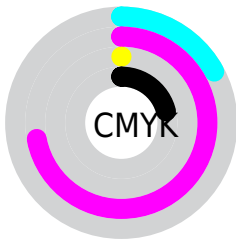
Blue (79%)



Red (65%)

Yellow (22%)

Blue (79%)

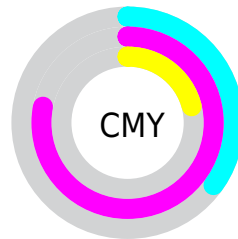


Cyan (17%)

Magenta (72%)

Yellow (0%)

Black (21%)



Cyan (35%)

Magenta (78%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 105.4200, 19.0150, 68.4150 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 105.4200, 19.0150, 68.4150 by changing the saturation by 10% instead.

■ 105.4200, 19.0150,
68.4150

■ 105.4200, 19.0150,
68.4150

255.0000, -0.0000,
-0.0000

■ 73.3110, 20.9400,
72.0760

■ 162.6760, 21.1700,
67.9060

■ 49.2350, 18.0980,
68.5140

■ 187.7830, 30.7540,
59.4100

■ 38.1980, 10.3520,
54.7040

■ 204.5180, 23.6500,
44.9780

■ 26.8620, 2.0100,
40.6820

■ 220.9540, 15.9500,
30.3340

■ 15.7540, -6.9740,
27.2820

■ 238.5640, 7.7000,
14.6440

■ 5.2440, -14.7660,
14.3060

■ 3.3230, -7.9790,

6.9410

■ 0.0000, 0.0000,
0.0000

■ 105.4200, 19.0150,
68.4150

■ 105.4200, 19.0150,
68.4150

■ 92.1850, 21.5350,
77.8150

■ 118.6550, 16.4950,
59.0150

■ 78.9500, 24.0550,
87.2150

■ 131.8900, 13.9750,
49.6150

■ 68.6610, 26.6670,
94.9470

■ 145.1250, 11.4550,
40.2150

■ 158.0610, 8.3390,
30.6030

■ 171.2960, 5.8190,
21.2030

■ 185.1180, 3.0240,
11.2800

■ 198.3530, 0.5040,
1.8800

■ 211.5880, -2.0160,
-7.5200

■ 224.8230, -4.5360,
-16.9200

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1030, -106.0990, 23.0610



105.4200, 19.0150, 68.4150



80.5720, 86.5930, 88.2010

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



105.4200, 19.0150, 68.4150



102.3870, 63.9170, -18.5070



98.2030, -87.7510, -23.1350

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



105.4200, 19.0150, 68.4150



151.5800, -19.0150, -68.4150

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5930, -63.4470, -45.1030



105.4200, 19.0150, 68.4150



96.1650, 19.7230, -43.5810

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



105.4200, 19.0150, 68.4150



93.2590, 103.5250, 12.5890



76.3100, -35.7500, -67.9900



104.0970, -107.1030, -2.8070

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



105.4200, 19.0150, 68.4150



77.9050, 107.0440, 75.4920



76.3100, -35.7500, -67.9900



95.4670, -80.0470, -30.5990

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



105.4200, 19.0150, 68.4150



218.2410, 7.6520, 26.5320



93.6620, -56.4450, 26.2670



105.6500, 4.5820, 16.0860



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



105.4200, 19.0150, 68.4150



108.8390, 29.4620, 104.8700



111.7810, 51.4310, 64.6390



93.1190, 1.2830, 4.2830



55.6580, 21.5810, 76.9810



12.1770, 4.5360, 16.9200

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



103.3450, 75.1850, 41.6250



105.5340, 114.9780, 63.8580



145.2190, -51.4310, -64.6390



92.9190, 4.7220, 2.5300



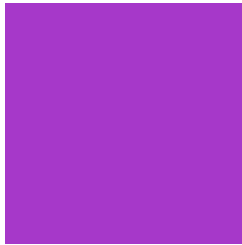
53.1830, 84.6290, 46.6850



11.7900, 18.5670, 10.4310

Previews

White Background



This preview shows how the YIQ color 105.4200, 19.0150, 68.4150 looks on a white background.

Color Contrast Check

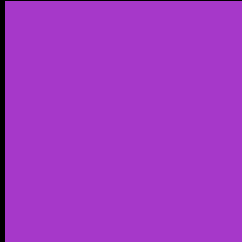
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 105.4200, 19.0150, 68.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

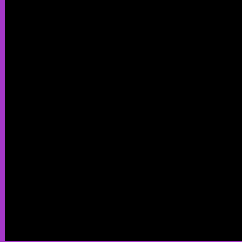
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 105.4200, 19.0150, 68.4150

Background



This preview shows how black text looks on a background with the YIQ color 105.4200, 19.0150, 68.4150.



This preview shows how white text looks on a background with the YIQ color 105.4200, 19.0150,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

105.4200, 19.0150, 68.4150

Deuteranopia

98.2930, -69.1880, 9.4040

Tritanopia

110.4390, 32.9170, 14.6850

Trichromacy



Original Color

105.4200, 19.0150, 68.4150



Deuteranomaly

101.0620, -36.9600, 31.0720



Tritanomaly

108.5210, 27.5950, 34.0510

Monochromacy



Original Color

105.4200, 19.0150, 68.4150



Achromatopsia

105.0000, 0.0000, 0.0000



Achromatomaly

105.0020, 6.8270, 24.9630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 105.4200, 19.0150, 68.4150 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 56, 201)` looks like.

```
.text, #text, p{  
    color:rgb(166, 56, 201)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 56, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 56, 201) }
```

Border

The CSS property to change the border of an element to YIQ 105.4200, 19.0150, 68.4150 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 56, 201) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 56, 201) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 56, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 56, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 56, 201);  
box-shadow:4px 4px 4px 4px rgb(166, 56,  
201) }
```


Background

The CSS property to change the background color of an element to YIQ 105.4200, 19.0150, 68.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 56, 201) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166, 56,  
201) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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